

Ethical and Professional Issues in Information Security

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Agenda

- Ethics Refresher
- IT and Security Professionals
- Internal threats
- Workplace monitoring
- Advanced Surveillance
- Big Data - Cloud
- Incidents
- Organizations
- Plagiarism
- Codes of ethics
- Questions

Ethics

“Good people don’t need laws to tell them to act responsibly and bad people will find a way around the laws.” - Plato

“Relativity applies to physics, not ethics” - Albert Einstein

IT workers - Professionals?

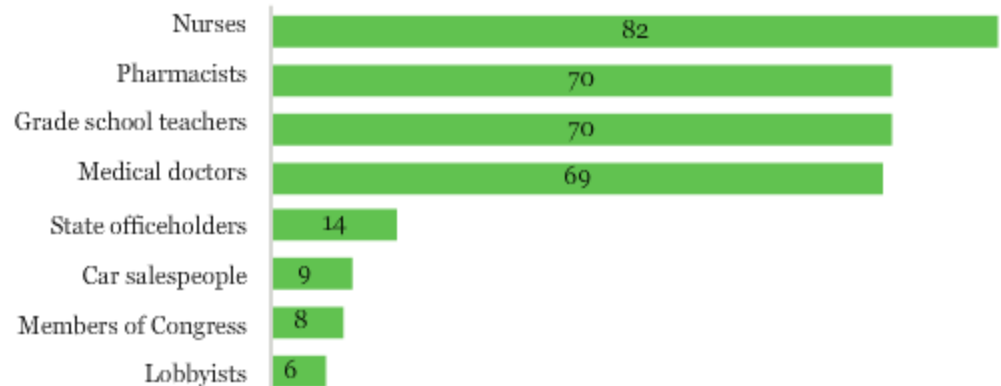
“requiring knowledge of an advanced type in a field of science or learning customarily acquired by a prolonged course of specialized intellectual instruction and study” - CFR

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Please tell me how you would rate the honesty and ethical standards of people in these different fields -- very high, high, average, low or very low?

Dec. 5-8, 2013

■ % Very high/High



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Internal threats



Edward Snowden - NSA

Dennis T. Nedry – Jurassic Park

Terry Childs – City of San Francisco



Workplace Monitoring

Computer access

Internet blocking and reporting

Log management and access

Reporting:

Management concerns
or Security incident?



Advanced Surveillance

Badge Access records

Video recording access

Mobile device – BYOD?

SSL offloading

Web Application Firewalls



https://

“Big data” and “Cloud”

Data aggregators:

Geolocation

Medical data

Credit

Google / Facebook / Twitter


“Free” = Advertising




Incidents

Who are the victims?


37% of breaches affected financial organizations (+)

A horizontal bar chart with a red segment representing 37% of the total length.


24% of breaches occurred in retail environments and restaurants (-)

A horizontal bar chart with a red segment representing 24% of the total length.


20% of network intrusions involved manufacturing, transportation, and utilities (+)

A horizontal bar chart with a red segment representing 20% of the total length.


20% of network intrusions hit information and professional services firms (+)

A horizontal bar chart with a red segment representing 20% of the total length.

38% of breaches impacted larger organizations (+)

A horizontal bar chart with a red segment representing 38% of the total length.

27 different countries are represented

A small, stylized world map icon with the number 27 overlaid on it.

Companies



Plagiarism

Technical articles
Vulnerability research
“Experts”



Résumé inflation



Summary / Codes of Ethics



Questions?

Thank you!

References

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